



THE UNITED STATES PATENT AND TRADEMARK OFFICE

PATENTS

33

In re Application of:

)

D'AMATO ET AL.

)

Art Unit: 1616

Serial No. 09/780,650

)

Examiner: BADIO, B.

Filed: FEBRUARY 12, 2001

)

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OCT 01 2004

For: ESTROGENIC COMPOUNDS AS
ANTI-MITOTIC AGENTS

)

OFFICE OF PETITIONS

SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

Applicants filed an exact copy of this Supplemental Information Disclosure Statement on April 1, 2004. In an Office Communication mailed September 15, 2004, the Examiner indicated that the Supplemental Information Disclosure Statement submitted on April 1, 2004 has been placed in the file, but the information therein has not been considered. Applicants file herewith a Request for Continued Examination and a Petition to Withdraw from Issue in order to facilitate the consideration of the art previously submitted. Applicants have not enclosed additional copies of the articles cited pursuant to the Examiner's statement that the information previously submitted has been placed in the application file. The citation of information on the attached Form PTO/SB/08A, "List of Art Cited by Applicant" is made pursuant to 37 C.F.R. §§ 1.56, 1.97, and 1.98.

Related applications are listed on the attached Supplemental Appendix A. Applicants respectfully request that the Examiner review the applications listed in Appendix A, initial Appendix A in the appropriate spaces, and return a copy of the initialized Appendix to Applicants.

I hereby certify that this correspondence is being hand delivered to the Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450, on September 29, 2004.

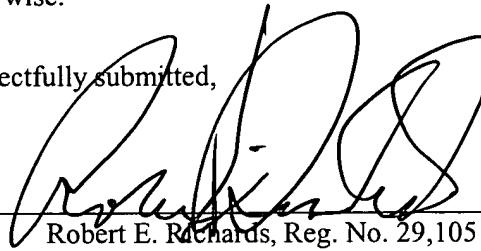
Jennifer Harris-Lohse

ATLLIB02 168542.1

The citation of this information does not constitute an admission of priority or that any cited item is available as a reference, or a waiver of any right the applicant may have under applicable statutes, Rules of Practice in patent cases, or otherwise.

Respectfully submitted,

By:



Robert E. Richards, Reg. No. 29,105

KILPATRICK STOCKTON LLP
1100 Peachtree Road, Suite 2800
Atlanta, Georgia 30309-4530
(404) 815-6500
Our Docket: 05213-0493 (43170-253692)



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of:)
D'AMATO ET AL.) Art Unit: 1616
Serial No. 09/780,650) Examiner: BADIO, B.
Filed: FEBRUARY 12, 2001)
For: ESTROGENIC COMPOUNDS AS ANTI-)
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APPENDIX A

OCT 01 2004

OFFICE OF PETITIONS

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

Applicants respectfully request that the Examiner review the below-listed patent applications. Please review and initial each listed application and return a copy of the initialed Supplemental Appendix A to the Applicants.

The serial numbers of the below-listed U.S. patent applications are listed on this form as provided in MPEP §609(D), rather than a PTO-1449 form, to avoid the serial numbers of the pending U.S. patent applications being published on any patent that may issue from this application. **Applicants do not waive the confidential nature of any of the below-listed patent applications.**

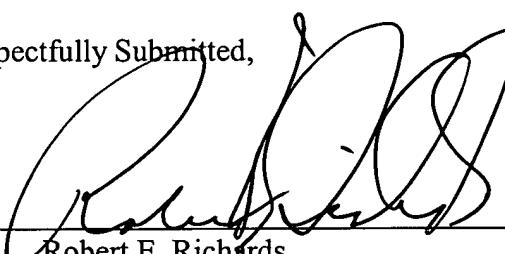
- 1. U.S. Application Serial No. 09/641,327 filed August 18, 2000
- 2. U.S. Application Serial No. 09/644,387 filed August 23, 2000
- 3. U.S. Application Serial No. 09/779,331 filed February 8, 2001
- 4. U.S. Application Serial No. 09/899,702 filed July 5, 2001
- 5. U.S. Application Serial No. 09/939,208 filed August 24, 2001
- 6. U.S. Application Serial No. 10/077,142 filed February 15, 2002

Our Docket: 05213-0493 (43170-253692)
Filed: February 12, 2001

- 7 U.S. Application Serial No. 10/080,076 filed February 21, 2002
- 8 U.S. Application Serial No. 10/281,831 filed October 25, 2002
- 9 U.S. Application Serial No. 10/354,921 filed January 30, 2003
- 10 U.S. Application Serial No. 10/354,927 filed January 30, 2003
- 11 U.S. Application Serial No. 10/375,890 filed February 27, 2003
- 12. U.S. Application Serial No. 10/610,748 filed July 1, 2003
- 13. U.S. Application Serial No. 10/617,150 filed July 10, 2003
- 14. U.S. Application Serial No. 10/635,846 filed August 5, 2003
- 15 Unassigned U. S. Application filed February 27, 2004 under Attorney Docket No: 05213-3001 (43170-295490)

Respectfully Submitted,

By:


Robert E. Richards
Reg. No. 29,105

KILPATRICK STOCKTON LLP
1100 Peachtree Road
Suite 2800
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(404) 815-6500
Our Docket: 052130-0493 (43170-253692)

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number

<p style="text-align: center;">INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)</p>				Complete if Known		
				Application No.		09/780,650
				Filing Date		02/12/2001
				First Named Inventor		D'Amato
				Group Art Unit		1616
				Examiner Name		Barrio, Barbara P.
Sheet	1	of	31	Attorney Docket Number	05213-0493 (43170-253692)	

U.S. PATENT DOCUMENTS

Examiner Initials	Cite No. ¹	U.S. Patent Document Number ²	Kind Code ³ (if known)	Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
	1	2,584,271		Huffman	02/05/1952	
	2	2,846,453		Hoehn	08/05/1958	
	3	3,166,577		Ringold et al.	01/19/1965	RECEIVED
	4	3,410,879		Smith et al.	11/12/1968	OCT 01 2004
	5	3,470,218		Farah	09/30/1969	
	6	3,492,321		Crabbe	01/27/1970	OFFICE OF PETITIONS
	7	3,496,272		Kruger (Identifier only)	02/17/1970	
	8	3,562,260		De Ruggieri et al.	02/09/1971	
	9	3,956,348		Hilscher	05/11/1976	
	10	4,212,864		Tax	07/15/1980	
	11	4,307,086		Tax	12/22/1981	
	12	4,552,758		Murphy et al.	11/12/1985	
	13	4,634,705		DeBernardis et al.	01/06/1987	
	14	4,808,402		Leibovich et al.	02/28/1989	
	15	4,994,443		Folkman et al.	02/19/1991	
	16	5,135,919		Folkman et al.	08/04/1992	
	17	5,521,168		Clark	05/28/1996	
	18	5,621,124		Seilz et al.	04/15/1997	
	19	5,629,340		Kuwano et al.	05/13/1997	
	20	5,639,725		O'Reilly et al.	06/17/1997	
	21	5,716,981		Hunter et al.	02/10/1998	
	22	5,733,876		O'Reilly et al.	03/31/1998	
	23	5,763,432		Tanabe et al.	06/09/1998	
	24	5,776,704		O'Reilly et al.	07/07/1998	

Examiner Signature		Date Considered
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¹Unique citation designation number. ²See attached Kinds of U.S. Patent Documents. ³Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). For Japanese patent document, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁴Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁵Applicant is to place a check mark here if English language translation is attached.

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SEP 29 2004

PATENT & TRADEMARK OFFICE

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

(use as many sheets as necessary)

Substitute for Form 1449/A/PTO

Complete if Known

Application No.	09/780,650
Filing Date	02/12/2001
First Named Inventor	D'Amato
Group Art Unit	1616
Examiner Name	Badio, Barbara P.

Sheet	2	of	31	Attorney Docket Number	05213-0493 (43170-253692)
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U.S. PATENT DOCUMENTS

Examiner Initials	Cite No. ¹	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number ²	Kind Code ³ (if known)			
	25	5,792,845		O'Reilly et al.	08/11/1998	
	26	5,837,682		O'Reilly	11/17/1998	
	27	5,854,205		O'Reilly et al.	12/29/1998	
	28	5,854,221		Cao et al.	12/29/1998	
	29	5,861,372		Folkman et al.	01/19/1999	
	30	5,885,795		O'Reilly et al.	03/23/1999	
	31	5,892,069		D'Amato et al.	04/06/1999	
	32	5,958,892		Mukhopadhyay et al.	09/28/1999	
	33	6,011,023		Clark et al.	01/04/2000	
	34	6,046,186		Tanabe et al.	04/04/2000	
	35	6,054,598		Sachdeva et al.	04/25/2000	
	36	6,136,992		Ram et al.	10/24/2000	
	37	6,200,966		Stewart	03/13/2001	
	38	6,239,123		Green et al.	05/29/2001	
	39	6,284,789	B1	LaLonde et al.	09/04/2001	
	40	6,358,940	B1	Conney	03/19/2002	
	41	6,399,773	B1	Liu et al.	06/04/2002	
	42	6,410,029	B1	Mukhopadhyay et al.	06/25/2002	
	43	6,514,971	B1	Thomas et al.	02/04/2003	
	44	6,528,676	B1	D'Amato et al.	03/04/2003	
	45	6,605,622	B2	Green et al.	08/12/2003	

Examiner Signature	Date Considered
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¹Unique citation designation number. ²See attached Kinds of U.S. Patent Documents. ³Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). For Japanese patent document, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁴Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁵Applicant is to place a check mark here if English language translation is attached.

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<p style="text-align: center;">INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)</p>						Complete if Known			
						Application No.		09/780,650	
						Filing Date		02/12/2001	
						First Named Inventor		D'Amato	
						Group Art Unit		1616	
						Examiner Name		Badio, Barbara P.	
Sheet	3	of	31	Attorney Docket Number		05213-0493 (43170-253692)			

FOREIGN PATENT DOCUMENTS

Examiner Initials	Cite No. ¹	Foreign Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶
		Office ³	Number ⁴ (if known)				
	46	DE	1907330	Sandoz Ltd. (Identifier only)	10/23/1969		
	47	DE	2 004 516	VEB Jenapharm	09/10/1970		No
	48	DE	27 57 157	Schering AG	12/19/1977		
	49	DE	3625315	Schering A.-G (Identifier only)	01/28/1988		
	50	EPO	0166937	A2	Abbott Laboratories	08/01/1986	
	51	GB	857,080	Syntex S.A.	12/29/1960		
	52	GB	857,081	Syntex S.A.	12/29/1960		
	53	GB	1,570,597	Takeda et al.	07/02/1980		
	54	JP	42-928	B	DAINIPPON PHARM CO LTD (abstract only)	01/18/1967	
	55	JP	39-5480	B	Teikoku Hormone Mfg. Co.		No
	56	JP	11-209322			08/03/1999	
	57	JP	58-131978		Lilly & Co Eli (Elil)	08/06/1983	No
	58	JP	63090763	A	Research Development Corp. of Japan (Abstract only)	04/21/1988	

Examiner Signature	Date Considered
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<p style="text-align: center;">Q1 P E 25 INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)</p>				Complete if Known	
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				Filing Date	02/12/2001
				First Named Inventor	D'Amato
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				Examiner Name	Badio, Barbara P.
Sheet	4	of	31	Attorney Docket Number	05213-0493 (43170-253692)

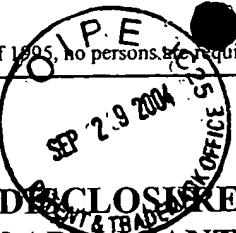
FOREIGN PATENT DOCUMENTS

Examiner Initials	Cite No. ¹	Foreign Patent Document		Kind Code ² (if known)	Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁴
	59	JP	63-119500		Dai Ichi Seiyaku Co Ltd.	05/24/1988		No
	60	JP	41 000100	A	Dainippon Pharmaceutical Co., Ltd. (abstract only)	01/07/1966		
	61	SU	1240038	A1	A MED ONCOLOGY CENTRE (abstract only)	10/27/1996		
	62	WO	00/07576	A2	ENDORECHERCHE, INC	02/17/2000		
	63	WO	00/10552	A2	Global Vascular Concepts, Inc.	03/02/2000		
	64	WO	87/02367	A3	The Upjohn Company	04/23/1987		
	65	WO	88/08002	A1	The Upjohn Company	10/20/1988		
	66	WO	93/19746	A1	ORJON-YH-TYMA OY	10/14/1993		
	67	WO	95/04535	A1	The Children's Medical Center Corporation	02/16/1995		
	68	WO	98/32763	A1	SRI International	07/30/1998		
	69	WO	98/40398		Pharm-Eco Laboratories, Inc.	09/17/1998		
	70	WO	99/01142	A1	Hyal Pharmaceutical Corporation	01/14/1999		
	71	WO	99/22728	A1	Arch Development Corporation	05/14/1999		

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				Examiner Name	Badio, Barbara P.
Sheet	5	of	31	Attorney Docket Number	05213-0493 (43170-253692)

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		Office ³	Kind Code ⁴ (if known)				
	72	WO	99/33858	A3	SRI International	07/08/1999	
	73	WO	99/33859	A2	SRI International	07/08/1999	
	74	WO	99/35150	A3	Arizona Board of Regents	07/15/1999	

Examiner Signature		Date Considered	
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				First Named Inventor	D'Amato
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Sheet 6 of 31				Attorney Docket Number	05213-0493 (43170-253692)

OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS

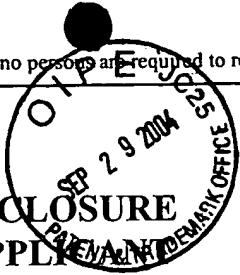
Examiner Initials	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published			T ²
	75	Author: Title: Lilopristone/[1-[4-(Dimethylamino)phenyl]-17-hydroxy-17-(3-hydroxy-1-propenyl) estra-4,9-diene-3-one; AK 98734 Publ: Dictionary of Drugs (1990), Dict. of Steroids (1991), Dict. of Org. Cmpds (6th Ed) (1996), Dict. of Pharm Agents (1997) Vol/Iss:	Pages:	Date:	
	76	Author: Title: (paragraphs 583-584) Publ: The Merck Index 11th Edition Vol/Iss:	Pages: 88	Date: 1989	
	77	Author: Title: Registry Number: 56933-77-8 Publ: Chemical Abstracts Vol/Iss:	Pages:	Date:	
	78	Author: Title: Registry Number: 56933-78-9 Publ: Chemical Abstracts Vol/Iss:	Pages:	Date:	
	79	Author: Title: Registry Number: 57380-15-1 Publ: Chemical Abstracts Vol/Iss:	Pages:	Date:	
	80	Author: Title: Registry Number: 71782-94-0 Publ: Chemical Abstracts Vol/Iss:	Pages:	Date:	
	81	Author: Title: Registry Number: 71782-95-1 Publ: Chemical Abstracts Vol/Iss:	Pages:	Date:	

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OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS

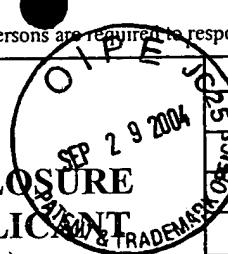
Examiner Initials	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published			T ²
	82	Author: <u>Publ:</u> <u>Chemical Abstracts</u>	Title: Registry Number: 101277-11-6		
	83	Author: <u>Publ:</u> <u>Genetic Engineering News</u>	Title: News Article: Hoffman-La Roche Signs \$70 Million Deal with Millenium on Genomics Technology	Vol/Iss:	Pages: Date: 4/15/1994
	84	Author: <u>Publ:</u> <u>Genetic Engineering News</u>	Title: News Article: Advanced Drug Delivery Systems Peak Interest of Pharmaceutical & Biotech Firms	Vol/Iss:	Pages: Date: 4/15/1994
	85	Author: <u>Publ:</u> <u>Genetic Engineering News</u>	Title: News Article: Nasal Spray for Treating Bleeding Disorders	Vol/Iss:	Pages: Date: 4/15/1994
	86	Author: ABOULWAFA et al. <u>Publ:</u> <u>Steroids</u>	Title: Synthesis and evaluation for uterotrophic and antiimplantation activities of 2-substituted estradiol derivatives	Vol/Iss: 57	Pages: 199-204 Date: 04/1992
	87	Author: AIZU-YOKOTA et al. <u>Publ:</u> <u>Cancer Research</u>	Title: Natural Estrogens Induce Modulation of Microtubules in Chinese Hamster V79 Cells in Culture	Vol/Iss: 55	Pages: 1863-1868 Date: 05/01/95
	88	Author: ALGIRE, G.H. et al. <u>Publ:</u> <u>Journal of the National Cancer Institute</u>	Title: Vascular reactions of normal and malignant tumors in vivo. I. Vascular reactions of mice to wounds and to normal and neoplastic transplants	Vol/Iss: 6	Pages: 73-85 Date: 08/1945

Examiner Signature		Date Considered	
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¹Unique citation designation number. ²See attached Kinds of U.S. Patent Documents. ³Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴For Japanese patent document, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶Applicant is to place a check mark here if English language translation is attached.

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				Group Art Unit	1616
				Examiner Name	Badio, Barbara P.
Sheet	8	of	31	Attorney Docket Number	05213-0493 (43170-253692)



INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(use as many sheets as necessary)

OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS					
Examiner Initials	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published			T ²
	89	Author: ALIEV et al. Publ: <u>Chemical Abstracts</u>	Title: 54929q Synthesis of cycloalkyl derivatives of dihydric phenols and their ethers	Vol/Iss: 72 Pages: 370 Date: 1970	
	90	Author: ANSTEAD et al. Publ: <u>Steroids</u>	Title: The Estradiol Pharmacophore: Ligand Structure-Estrogen Receptor Binding Affinity Relationships and a Model for the Receptor Binding Site	Vol/Iss: 62 Pages: 268-303 Date: 1997	
	91	Author: ARNOLDI et al. Publ: <u>Journal of Agric. Food Chem.</u>	Title: Sweet Isovanillyl Derivatives: Synthesis and Structure-Taste Relationships of Conformationally Restricted Analogs (Abstract only)	Vol/Iss: 46(10) Pages: 4002-4010 Date: 1998	
	92	Author: ATTALLA et al. Publ: <u>Biochemical and Biophysical Research Communications</u>	Title: 2-Methoxyestradiol Arrests Cells in Mitosis without Depolymerizing Tubulin	Vol/Iss: 228 Pages: 467-473 Date: 1996	
	93	Author: ATTALLA et al. Publ: <u>Biochemical and Biophysical Research Communications</u>	Title: 2-Methoxyestradiol-Induced Phosphorylation of Bcl-2: Uncoupling from JNK/SAPK Activation (Abstract only)	Vol/Iss: 247 (3) Pages: 616-619 Date: 6/29/1998	
	94	Author: AUDIER et al. Publ: <u>Bulletin De La Societe Chimique De France</u>	Title: Orientation de la fragmentation en spectrometrie de masse par introduction de groupements fonctionnels. VII. - Ethenyleneacetals de ceto-2 steroïdes	Vol/Iss: 10 Pages: 3088-3090 Date: 1965	
	95	Author: AYALA et al. Publ: <u>Shock</u>	Title: The Induction of Accelerated Thymic Programmed Cell Death During Polymicrobial Sepsis: Control by Corticosteroids but not Tumor Necrosis Factor (Abstract only)	Vol/Iss: 3 (4) Pages: 259-267 Date: 04/1995	

Examiner Signature		Date Considered	
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Substitute for Form 1449/A/PTO				Complete if Known	
				Application No.	09/780,650
				Filing Date	02/12/2001
				First Named Inventor	D'Amato
				Group Art Unit	1616
				Examiner Name	Badio, Barbara P.
Sheet	9	of	31	Attorney Docket Number	05213-0493 (43170-253692)

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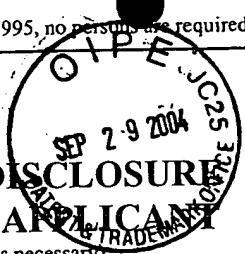
Examiner Initials	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published			T ²
	96	Author: BANIK et al. Publ: Steroids	Title: Orally Active Long-Acting Estrogen (AY-20,121) (3-(2-propynyoxy)-estra-1,3,5,(10)-triene-17. beta.-ol trimethylacetate) (Identifier only)	Vol/Iss: 16 (3) Pages: 289-296 Date: 1970	
	97	Author: BARDON et al. Publ: Cancer Research	Title: Steroid Receptor-Mediated Cytotoxicity of an Antiestrogen and an Antiprogestin in Breast Cancer Cells (Abstract only)	Vol/Iss: 47 (5) Pages: 1441-1448 Date: 03/01/87	
	98	Author: BARNES et al. Publ: Infection and Immunity	Title: Tumor Necrosis Factor Production in Patients with Leprosy	Vol/Iss: 60 (4) Pages: 1441-1446 Date: 04/1992	
	99	Author: BINDRA et al. Publ: Journal of Medicinal Chemistry	Title: Studies in Antifertility Agents. 8. Seco Steroids. 2. 5,6-Secoestradiol and Some Related Compounds	Vol/Iss: 18 (9) Pages: 921-925 Date: 1975	
	100	Author: BLAGOSKLONNY et al. Publ: Cancer Research	Title: Raf-1/bcl-2 Phosphorylation: A Step from Microtubule Damage to Cell Death	Vol/Iss: 57 Pages: 130-135 Date: 01/01/97	
	101	Author: BLICKENSTAFF et al. Publ: Steroids	Title: Synthesis of Some Analogs of Estradiol	Vol/Iss: 46 (4,5) Pages: 889-902 Date: 10/1985	
	102	Author: BOYCE et al. Publ: Unknown	Title: Some Preliminary Synthetical Studies with 5,6,7,8-Tetra-hydro-8-methylindane-1,5-dione	Vol/Iss: Pages: 4547-4553 Date: 1960	

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Application No. 09/780,650

Filing Date 02/12/2001

First Named Inventor D'Amato

Group Art Unit 1616

Examiner Name Badio, Barbara P.

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Attorney Docket Number 05213-0493 (43170-253692)

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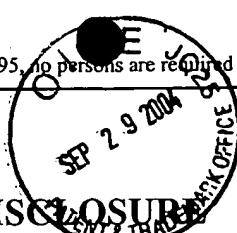
Examiner Initials	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published			T ²
	103	Author: BRANDI et al. Publ: <u>Calcif. Tissue Int.</u>	Title: Bone endothelial cells as estrogen targets (Abstract only) Vol/Iss: 53 (5)	Pages: 312-317	Date: 1993
	104	Author: BREM, H. et al. Publ: <u>Journal of Neurosurgery</u>	Title: Interstitial chemotherapy with drug polymer implants for the treatment of recurrent gliomas Vol/Iss: 74	Pages: 441-446	Date: 03/01/91
	105	Author: BRODIE, A.M. Publ: <u>Journal of Steroid Biochemistry and Molecular Biology</u>	Title: Aromatase Inhibitors in the Treatment of Breast Cancer (Abstract only) Vol/Iss: 49 (4-6)	Pages: 281-287	Date: 06/1994
	106	Author: BROSENS et al. Publ: <u>Laboratory for Gynecological Physiopathology</u>	Title: Comparative Study of the Estrogenic Effect of Ethinylestradiol and Mestranol on the Endometrium Vol/Iss: 14 (6)	Pages: 679-685	Date: 12/01/76
	107	Author: BURROWS, N.P. Publ: <u>British Medical Journal</u>	Title: Thalidomide Modifies Disease Vol/Iss: 307 (6909)	Pages: 939-940	Date: 10/09/93
	108	Author: CAMBIE et al. Publ: <u>Journal of the Chemical Society</u>	Title: Aromatic Steroids. Part II. Chromium Trioxide Oxidation of Some Oestra-1,3(10)-trienes Vol/Iss: 9	Pages: 1234-1240	Date: 1969
	109	Author: CAMBIE et al. Publ: <u>J. Chem. Soc.</u>	Title: Aromatic Steroids. Part I. Oxidation Products of 3-Methoxyestra-1,3,5(10)-triene-17 β -yl Acetate Vol/Iss:	Pages: 2603-2608	Date: 1968

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				Group Art Unit	1616
				Examiner Name	Badio, Barbara P.
Sheet	11	of	31	Attorney Docket Number	05213-0493 (43170-253692)



OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS

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	110	Author: CASTAGNETTA, L. et al. Title: Simple Approach to Measure Metabolic Pathways of Steroids in Living Cells Publ: <u>Journal of Chromatography</u> Vol/Iss: 572	Pages: 25-39	Date: 12/06/91	
	111	Author: CHASSEROT-GOLAZ et al. Title: Biotransformation of 17.beta.-hydroxy-11.beta.-(4-dimethylaminophenyl)-17.alpha.1-propynyl-estra-4,9-diene-3-one (RU486) in Rat Hepatoma Variants (Identifier only) Publ: <u>Biochemical Pharmacology</u> Vol/Iss: 46 (11)	Pages: 2100-2103	Date: 1993	
	112	Author: CHEN et al. Title: A New Synthetic Route to 2- and 4-Methoxyestradiols by Nucleophilic Substitution Publ: <u>Steroids</u> Vol/Iss: 47 (1)	Pages: 63-66	Date: 01/1986	
	113	Author: CHEN et al. Title: Synthesis of 11.beta.-(4-dimethylaminophenyl)-17.beta.-hydroxy-17.alpha.-(1-propynyl) estra-4,9-dien-3-one (RU486) (Identifier only) Publ: <u>Nanjing Yaoxueyuan Xuebao</u> Vol/Iss: 17 (4)	Pages: 282-285	Date: 1986	
	114	Author: COHEN et al. Title: Novel Total Synthesis of (+)-Estrone 3-Methyl Ether, (+)-13β-Ethyl-3-methoxygona-1,3,5(10)-trien-17-one, and (+)-Equilenin 3-Methyl Ether Publ: <u>The Journal of Organic Chemistry</u> Vol/Iss: 40 (6)	Pages: 681-685	Date: 03/21/75	
	115	Author: COLLINS et al. Title: The Structure and Function of Estrogens. XI. Synthesis of (+/-)-7(8-11α)abeo-Estradiol and its 9,11-Didehydro Derivative Publ: <u>Aust. Journal of Chemistry</u> Vol/Iss: 45 (1)	Pages: 71-97	Date: 1992	
	116	Author: COREY et al. Title: Applications of N,N-Dimethylhydrazones to Synthesis. Use in Efficient, Positionally and Stereochemically Selective C-C Bond Formation; Oxidative Hydrolysis to Carbonyl Compounds Publ: <u>Tetrahedron Letters</u> Vol/Iss: 1	Pages: 3-6	Date: 1976	

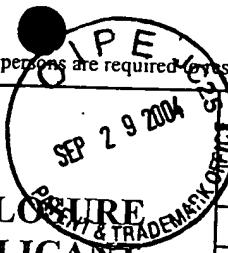
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	117	Author: COREY et al. Publ: <u>Tetrahedron Letters</u>	Title: Facile Conversion of N,N-Dimethylhydrazones to Carbonyl Compounds by Cupric Ion-Catalyzed Hydrolysis	Vol/Iss: 41	Pages: 36678-3668 Date: 1976
	118	Author: CRABBE, P. Publ: <u>Chem. Ind.</u>	Title: Cotton effect of the styrene chromophore (Abstract only)	Vol/Iss: 27	Pages: 917-918 Date: 1969
	119	Author: CUMMINGS et al. Publ: <u>The American Journal of Surgical Pathology</u>	Title: Apoptosis	Vol/Iss: 21 (1)	Pages: 88-101 Date: 1997
	120	Author: CUSHMAN et al. Publ: <u>Journal of Medicinal Chemistry</u>	Title: Synthesis, Antitubulin and Antimitotic Activity, and Cytotoxicity of Analogs of 2-Methoxyestradiol, an Endogenous Mammalian Metabolite of Estradiol that Inhibits Tubulin Polymerization by Binding to the Colchicine Binding Site	Vol/Iss: 38 (12)	Pages: 2041-2049 Date: 06/09/95
	121	Author: CUSHMAN et al. Publ: <u>Journal of Medicinal Chemistry</u>	Title: Synthesis of Analogs of 2-Methoxyestradiol with Enhanced Inhibitory Effects on Tubulin Polymerization and Cancer Cell Growth	Vol/Iss: 40 (15)	Pages: 2323-2334 Date: 1997
	122	Author: D'AMATO et al. Publ: <u>Proceedings of the National Academy of Science USA</u>	Title: 2-Methoxyestradiol, an Endogenous Mammalian Metabolite, Inhibits Tubulin Polymerization by Interacting at the Colchicine Site	Vol/Iss: 91	Pages: 3964-3968 Date: 04/26/1994
	123	Author: D'AMATO, R.J. et al. Publ: <u>Proceedings of the National Academy of Science USA</u>	Title: Thalidomide is an Inhibitor of Angiogenesis	Vol/Iss: 91	Pages: 4082-4085 Date: 04/01/94

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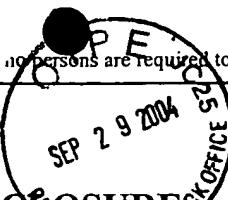
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	124	Author: DING et al. Publ: <u>Endocrinology</u>	Title: Sex Hormone-Binding Globulin Mediates Prostate Androgen Receptor Action via a Novel Signaling Pathway (Abstract only)	Vol/Iss: 139 (1) Pages: 213-218	Date: 1998
	125	Author: DURANI et al. Publ: <u>Journal of Steroid Biochemistry</u>	Title: Seco-Oestradiols and Some Non-Steroidal Oestrogens: Structural Correlates of Oestrogenic Action	Vol/Iss: 11 Pages: 67-77	Date: 1979
	126	Author: DVIR et al. Publ: <u>Journal of Chromatography</u>	Title: Thin-layer Chromatography of DANSYLY-oestrogens	Vol/Iss: 52 Pages: 505-506	Date: 11/04/70
	127	Author: EDER et al. Publ: <u>Chem. Ber.</u>	Title: Synthese von Ostradiol (in German - No translation available)	Vol/Iss: 109 Pages: 2948-2953	Date: 1976
	128	Author: EL-TOMBARY . Publ: <u>Arch. Pharm. Pharm. Med. Chem.</u>	Title: Synthesis, Uterotropic, And Antiuterotropic Activities of Some Estradiol Derivatives Containing Thiadiazole, Thiazoline, and Thiazolidinone Moieties	Vol/Iss: 330 (9-10) Pages: 295-302	Date: 1997
	129	Author: EMONS et al. Publ: <u>FOCUS MHL</u>	Title: Modulation der hypophysaren Sekretion von Luteinisierendem Hormon (LH) durch Oestrogene	Vol/Iss: 3 Pages: 221-228	Date: 1986
	130	Author: EPE et al. Publ: <u>Mechanisms of Chromosome Distribution and Aneuploidy</u>	Title: Microtubular Proteins as Cellular Targets for Carcinogenic Estrogens and Other Carcinogens	Vol/Iss: Pages: 345-351	Date: 1989

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	131	Author: FANCHENKO et al. Publ: <u>Byull. Eksp. Biol. Med.</u>	Title:Characteristics of the guinea pig uterus estrogen receptor system (Abstract only) Vol/Iss: 85 (4)	Pages: 467-470	Date: 1978
	132	Author: FETIZON et al. Publ: <u>Bull. Soc. Chim. FR.</u>	Title:Synthesis of 2-keto steroids (Abstract only) Vol/Iss: 8	Pages: 3301-3306	Date: 1968
	133	Author: FEVIG et al. Publ: <u>Journal of Organic Chemistry</u>	Title:A Short, Stereoselective Route to 16 α (Substituted-alkyl)estradiol Derivatives Vol/Iss: 52	Pages: 247-251	Date: 1987
	134	Author: FIELD et al. Publ: <u>Nature</u>	Title:Effect of Thalidomide on the Graft versus Host Reaction Vol/Iss: 211 (5055)	Pages: 1308-1310	Date: 09/17/66
	135	Author: FIESER et al. Publ: <u>Organic Synthesis Collective Volume 3</u>	Title:N-Methylformanilide Vol/Iss: 3	Pages: 590-591	Date: 1955
	136	Author: FISHMAN, J. Publ: <u>Journal of the American Chemical Society</u>	Title:Synthesis of 2-Methoxyestrogens Vol/Iss: 80	Pages: 1213-1216	Date: 03/05/98
	137	Author: FLOHE et al. Publ: <u>Arzneimitt/Forschung (Germany West)</u>	Title:Studies on the Hypothetical Relationship of Thalidomide-induced Embryopathy and Collagen Biosynthesis Vol/Iss: 31 (2)	Pages: 315-320	Date: 01/01/81

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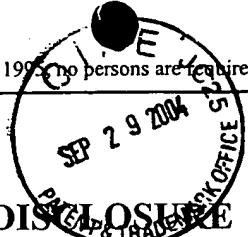
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	138	Author: FOLKMAN et al. Publ: <u>Science</u>	Title: Angiogenesis Inhibition and Tumor Regression Caused by Heparin or a Heparin Fragment in the Presence of Cortisone Vol/Iss: 221	Pages: 719-725	Date: 08/19/83
	139	Author: FOLKMAN, J. Publ: <u>New England Journal of Medicine</u>	Title: Tumor Angiogenesis: Therapeutic Implications Vol/Iss: 285 (21)	Pages: 1182-1186	Date: 11/18/71
	140	Author: FOLKMAN, J. et al. Publ: <u>Nature</u>	Title: Induction of Angiogenesis During the Transition from Hyperplasia to Neoplasia Vol/Iss: 339	Pages: 58-61	Date: 05/04/89
	141	Author: FOLKMAN, J. et al. Publ: <u>Annals of Surgery</u>	Title: Tumor Behavior in Isolated Perfused Organs in vitro Growth and Metastases of Biopsy Material in Rabbit Thyroid and Canine Intestinal Segment Vol/Iss: 164(3)	Pages: 491-502	Date: 09/01/66
	142	Author: FOTSISS et al. Publ: <u>Nature</u>	Title: The Endogenous Oestrogen Metabolite 2-Methoxyoestradiol Inhibits Angiogenesis and Suppresses Tumour Growth Vol/Iss: 368	Pages: 237-239	Date: 03/17/94
	143	Author: GADOSY et al. Publ: <u>Journal of Physical Chemistry</u>	Title: Generation, Characterization, and Deprotonation of Phenol Radical Cations Vol/Iss: 103	Pages: 8834-8839	Date: 1999
	144	Author: GANDHI et al. Publ: <u>Journal of Indian Chem. Soc.</u>	Title: Mannich Reaction of Estrone Vol/Iss: 39	Pages: 306-308	Date: 1962

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	145	Author: GASLINI et al. <u>Publ:</u> <u>Journal of Organic Chemistry</u>	Title: Reaction of Eugenol with Synthesis Gas. Synthesis of 5,6,7,8-Tetrahydro-3-methoxy-2-naphthol	Vol/Iss: 29 (5)	Pages: 1177-1180 Date: 05/1964
	146	Author: GIMBRONE, M.A. et al. <u>Publ:</u> <u>Journal of the National Cancer Institute</u>	Title: Tumor Growth and Neovascularization: An Experimental Model Using the Rabbit Cornea	Vol/Iss: 52(2)	Pages: 413-427 Date: 02/74
	147	Author: GIMBRONE, M.A. et al. <u>Publ:</u> <u>Journal of Experimental Medicine</u>	Title: Tumor dormancy <i>in vivo</i> by Prevention of Neovascularization	Vol/Iss: 136	Pages: 261-276 Date: 1972
	148	Author: GONZALEZ et al. <u>Publ:</u> <u>Steroids</u>	Title: Synthesis and Pharmacological Evaluation of 8 α -Estradiol Derivatives	Vol/Iss: 40 (2)	Pages: 171-187 Date: 9/1982
	149	Author: GROSS, J.L. et al. <u>Publ:</u> <u>Proceedings of the American Association of Cancer Research</u>	Title: Modulation of Solid Tumor Growth <i>in vivo</i> by bFGF (Abstract only)	Vol/Iss: 31	Pages: 79 Date: 03/90
	150	Author: GUJJAR et al. <u>Publ:</u> <u>Annals of Clinical and Laboratory Science</u>	Title: The Effect of Estradiol on Candida albicans Growth	Vol/Iss: 27 (2)	Pages: 151-156 Date: 1997
	151	Author: GUNZLER, V. <u>Publ:</u> <u>Medical Hypothesis</u>	Title: Thalidomide-A Therapy for the Immunological Consequences of HIV Infection?	Vol/Iss: 30 (2)	Pages: 105-109 Date: 10/89

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	152	Author: GUPTA et al. Publ: <u>Indian Journal of Chemistry</u>	Title: Antifertility Agents. XIV. Secosteroids. VII. Synthesis of 2 α and 2 β , 6 β -dimethyl- 3 β -(p-hydroxyphenyl)-trans-bicyclo[4.3.0]nonan-7-ones and some related compounds (Abstract only)	Vol/Iss: 13 (7) Pages: 759-760 Date: 1975	
	153	Author: GUPTA et al. Publ: <u>Indian Journal of Chemistry</u>	Title: Studies in Antifertility Agents. Part XVIII. 2 α 6 β -Diethyl-3 β -(p-hydroxyphenyl)-trans-bicyclo[4.3.0]nonan-7 β -ol and 6 β -methyl-3 β -(p-hydroxyphenyl)-2 α -propyl- trans-bicyclo[4.3.0]nonan-7 β -ol (Abstract only)	Vol/Iss: 19B (10) Pages: 886-890 Date: 1980	
	154	Author: GUTIERREZ-RODRIGUEZ et al. Publ: <u>The Journal of Rheumatology</u>	Title: Treatment of Refractory Rheumatoid Arthritis - The Thalidomide Experience	Vol/Iss: 16 (2) Pages: 158-163 Date: 02/89	
	155	Author: GUTIERREZ-RODRIGUEZ, O. Publ: <u>Arthritis and Rheumatism</u>	Title: Thalidomide - A Promising New Treatment for Rheumatoid Arthritis	Vol/Iss: 27 (10) Pages: 1118-1121 Date: 10/84	
	156	Author: HAHNEL et al. Publ: <u>Journal of Steroid Biochemistry</u>	Title: The Specificity of the Estrogen Receptor of Human Uterus	Vol/Iss: 4 Pages: 21-31 Date: 1973	
	157	Author: HALDAR et al. Publ: <u>Cancer Research</u>	Title: Bc12 is the Guardian of Microtubule Integrity	Vol/Iss: 57 Pages: 229-233 Date: 01/15/97	
	158	Author: HAMEL et al. Publ: <u>Biochemistry</u>	Title: Interactions of 2-Methoxyestradiol, an Endogenous Mammalian Metabolite, with Unpolymerized Tubulin and with Tubulin Polymers (Abstract only)	Vol/Iss: 35 (4) Pages: 1304-1310 Date: 1996	

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¹Unique citation designation number. ²See attached Kinds of U.S. Patent Documents. ³Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴For Japanese patent document, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶Applicant is to place a check mark here if English language translation is attached.

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Substitute for Form 1449/A/PTO				Complete if Known	
				Application No.	09/780,650
				Filing Date	02/12/2001
				First Named Inventor	D'Amato
				Group Art Unit	1616
				Examiner Name	Badio, Barbara P.
Sheet	18	of	31	Attorney Docket Number	05213-0493 (43170-253692)

OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS

Examiner Initials	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published			T ²
	159	Author: HANDLEY et al. Publ: <u>British Journal of Dermatology</u>	Title: Chronic bullous disease of childhood and ulcerative colitis Vol/Iss: 127 (40) Pages: 67-68 Date: 07/01/92		
	160	Author: HE et al. Publ: <u>Bioorganic & Medicinal Chemistry Letters</u>	Title: A Versatile Synthesis of 2-Methoxyestradiol, an Endogenous Metabolite of Estradiol which Inhibits Tubulin Polymerization by Binding to the Colchicine Biding Site Vol/Iss: 4 (14) Pages: 1724-1728 Date: 1994		
	161	Author: HE et al. Publ: <u>Bioorganic & Medicinal Chemistry Letters</u>	Title: Novel Cytokine Release Inhibitors. PartII Steroids Vol/Iss: 8 Pages: 2825-2828 Date: 1998		
	162	Author: HEJAZ et al. Publ: <u>Journal of Medicinal Chemistry</u>	Title: Synthesis and Biological Activity of the Superestrogen (E)-17-Oximino-3-O-sulfamoyl-1,3,5(10)-estratriene: X-ray Crystal Structure of (E)-17-Oximino-3-hydroxy-1,3,5(10)-estratriene Vol/Iss: 42 (16) Pages: 3188-3192 Date: 1999		
	163	Author: HENEY et al. Publ: <u>British Journal of Haematology</u>	Title: Thalidomide treatment for chronic graft-versus-host disease Vol/Iss: 78 (1) Pages: 23-27 Date: 05/91		
	164	Author: HOLKER et al. Publ: <u>J. Chem. Soc. Perkin Trans.</u>	Title: The Reactions of Estrogens with Benzeneseleninic Anhydride and Hexamethyldisilazane Vol/Iss: I Pages: 1915-1918 Date: 1982		
	165	Author: HORI, A. et al. Publ: <u>Cancer Research</u>	Title: Suppression of Solid Tumor Growth by Immunoneutralizing Monoclonal Antibody Against Human Basic Fibroblasts Growth Factor Vol/Iss: 51 Pages: 6180-6184 Date: 11/15/91		

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	166	Author: HU, G. Publ: <u>Proceedings of the National Academy of Sciences, USA</u>	Title: Neomycin Inhibits Angiogenin-induced Angiogenesis (abstract Only) Vol/Iss: 95 (17) Pages: 9791-9795 Date: 1998		
	167	Author: IKEGAWA et al. Publ: <u>Biomed. Chromatogr.</u>	Title: Immunoaffinity extraction for liquid chromatographic determination of equilin and its metabolites in plasma (Abstract only) Vol/Iss: 10 (2) Pages: 73-77 Date: 1996		
	168	Author: IMAMURA et al. Publ: <u>USPATFULL 76:20259 US 3,950,437</u>	Title: Method for Manufacture of Dihydric Phenols (Abstract only) Vol/Iss: Pages: Date: 04/13/1976		
	169	Author: INGBER, D. et al. Publ: <u>Nature</u>	Title: Synthetic analogues of fumagillin that inhibit angiogenesis and suppress tumor growth Vol/Iss: 348 Pages: 555-557 Date: 12/06/90		
	170	Author: IRIARTE et al. Publ: <u>Tetrahedron</u>	Title: Steroids (XCIV). Synthesis of 2-methyl and 1,2-dimethyl estrogens (Abstract only) Vol/Iss: 3 Pages: 28-36 Date: 1958		
	171	Author: JAGGERS et al. Publ: <u>Journal of Endocrinology</u>	Title: Potent Inhibitory Effects of Steroids in an in vitro Model of Angiogenesis (Abstract only) Vol/Iss: 150 (3) Pages: 457-464 Date: 1996		
	172	Author: JHINGRAN et al. Publ: <u>Steroids</u>	Title: Studies in Antifertility Agents - Part XLI: Secosteroids-x: Syntheses of Various Stereoisomers of (+)-2,6β-diethyl-7α-ethynyl-3-(p-hydroxyphenyl)-trans-bicyclo [4.3.0]nonan-7β-ol. Vol/Iss: 42 (6) Pages: 627-634 Date: 1983		

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				Application No.	09/780,650
				Filing Date	02/12/2001
				First Named Inventor	D'Amato
				Group Art Unit	1616
				Examiner Name	Badio, Barbara P.
Sheet	20	of	31	Attorney Docket Number	05213-0493 (43170-253692)

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	173	Author: JOSEFSSON et al. Publ: <u>Arthritis & Rheumatism</u>	Title: Suppression of Type II Collagen-Induced Arthritis by the Endogenous Estrogen Metabolite 2-Methoxyestradiol Vol/Iss: 40 (1)	Pages: 154-163	Date: 01/1997
	174	Author: KABARITY et al. Publ: <u>Mutation Research</u>	Title: Further Investigations on the cytological effects of some contraceptives Vol/Iss: 135	Pages: 181-188	Date: 1984
	175	Author: KARWAT Publ: <u>Caplus DE 1103310</u>	Title: Separation and Recovery of Hydrogen Sulfide from Hydrocarbon Mixture Vol/Iss:	Pages:	Date: 09/02/1959
	176	Author: KATAOKA et al. Publ: <u>Cancer Research</u>	Title: An Agent that Increases Tumor Suppressor Transgene Product Coupled with Systemic Transgene Delivery Inhibits Growth of Metastatic Lung Cancer in Vivo (Abstract only) Vol/Iss: 58 (21)	Pages: 4761-4765	Date: 11/1998
	177	Author: KELLY et al. Publ: <u>Journal of Clinical Endocrinology Metabolism</u>	Title: The Stimulation of Prostaglandin Production by Two Antiprogestrone Steroids in Human Endometrial Cells (Abstract only) Vol/Iss: 62 (6)	Pages: 1116-1123	Date: 06/1986
	178	Author: KIM, K.J. et al. Publ: <u>Nature</u>	Title: Inhibition of Vascular Endothelial Growth Factor-induced Angiogenesis Suppresses Tumor Growth In Vivo Vol/Iss: 362	Pages: 841-844	Date: 04/29/93
	179	Author: KLAUBER et al. Publ: <u>Cancer Research</u>	Title: Inhibition of Angiogenesis and Breast Cancer in Mice by the Microtubule Inhibitors 2-Methoxyestradiol and Taxol Vol/Iss: 57	Pages: 81-86	Date: 01/01/97

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				Group Art Unit	1616
				Examiner Name	Badio, Barbara P.
Sheet	21	of	31	Attorney Docket Number	05213-0493 (43170-253692)

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	180	Author: KNIGHTON, D. et al. Publ: <u>British Journal of Cancer</u>	Title: Avascular and Vascular Phases of Tumour Growth in the Chick Embryo Vol/Iss: 35	Pages: 347-356	Date: 1977
	181	Author: KOLE et al. Publ: <u>Journal of Medicinal Chemistry</u>	Title: Studies in Antifertility Agents. 11. Secosteroids. 5. Synthesis of 9,11-Secoestradiol Vol/Iss: 18 (7)	Pages: 765-766	Date: 1975
	182	Author: KOVACS et al. Publ: <u>Acta Phys.Chem.</u>	Title: Steroids. XXIII. Synthesis of 2- and 4-hydroxy and 2,4-dihydroxy derivatives of estrone and estradiol (Abstract only) Vol/Iss: 19 (3)	Pages: 287-290	Date: 1973
	183	Author: LEBRAS, J. et al. Publ: <u>Organometallics</u>	Title: Activation and Regioselective Ortho-Functionalization of the A-Ring of B-Estradiol Promoted by "Cp*Ir": An Efficient Organometallic Procedure for the Synthesis of 2-Methoxyestradiol Vol/Iss: 16	Pages: 1765-1771	Date: 1997
	184	Author: LEWIS, Richard J. Publ: <u>Hawley's Condensed Chemical Dictionary</u>	Title: Vol/Iss:	Pages: 577	Date: 01/1993
	185	Author: LEWIS, Richard J. Publ: <u>Hawley's Condensed Chemical Dictionary</u>	Title: Vol/Iss:	Pages: 128-129	Date: 01/1993
	186	Author: LI, J., et al. Publ: <u>CAPLUS; Molecular Pharmacology</u>	Title: (DN 103:65176) Catechol Formation of Fluoro- and Bromo-substituted Estradiols by Hamster Liver Microsomes. Evidence for Dehalogenation. (Abstract only) Vol/Iss: 27 (5)	Pages: 559-565	Date: 1985

Examiner Signature		Date Considered	
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				Filing Date	02/12/2001
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				Group Art Unit	1616
				Examiner Name	Badio, Barbara P.
Sheet	22	of	31	Attorney Docket Number	05213-0493 (43170-253692)

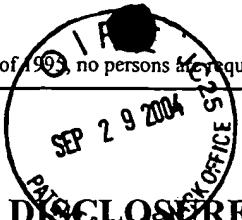
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	187	Author: LICHTENAUER et al. Publ: <u>Deutsches medizinisches Journal</u>	Title: Zur Behandlung des Prostata-Karzinoms Vol/Iss: 23	Pages: 248-249	Date: 01/1972
	188	Author: LIEN, W. et al. Publ: <u>Surgery</u>	Title: The blood supply of experimental liver metastases. II. A Microcirculatory study of the normal and tumor vessels of the liver with the use of perfused silicone rubber Vol/Iss: 68 (2)	Pages: 334-340	Date: 08/1970
	189	Author: LIMANTSEV et al. Publ: <u>Akush Jinekol.</u>	Title: Effect of some estrogen structural analogs on the development of the mouse embryo (Abstract only) Vol/Iss: 6	Pages: 55-56	Date: 1982
	190	Author: LIU et al. Publ: <u>Tetrahedron Letters</u>	Title: Total Synthesis of (+)- $\Delta^{9(12)}$ Capnellene Vol/Iss: 26 (40)	Pages: 4847-4850	Date: 1985
	191	Author: LOOZEN et al. Publ: <u>Recl.: J.R. Neth.Chem. Soc.</u>	Title: An approach to the synthesis of 7.β-amino estrogens (Abstract only) Vol/Iss: 102 (10)	Pages: 433-437	Date: 1983
	192	Author: LOTTERING et al. Publ: <u>Cancer Letters</u>	Title: 17β-Estradiol Metabolites Affect Some Regulators of the MCF-7 Cell Cycle Vol/Iss: 110	Pages: 181-186	Date: 1996
	193	Author: LOVELY et al. Publ: <u>Journal of Medicinal Chemistry</u>	Title: 2-(Hydroxyalkyl)estradiols: Synthesis and Biological Evaluation Vol/Iss: 39	Pages: 1917-1923	Date: 1996

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**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**
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Sheet 23 of 31 Attorney Docket Number 05213-0493 (43170-253692)

Complete if Known

Application No. 09/780,650

Filing Date 02/12/2001

First Named Inventor D'Amato

Group Art Unit 1616

Examiner Name Badio, Barbara P.

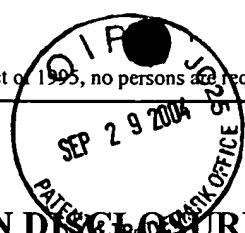
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	194	Author: LUO et al. Publ: <u>Chemical Abstracts</u>	Title: Effect of Components of Growth Ether Copper(I)Iodide Mixed Catalyst on Nucleophilic Substitution of Bromoestrogen (Abstract No. 195225)	Vol/Iss: 111 (21)	Pages: 818, Column 1 Date: 11/20/89
	195	Author: MARO et al. Publ: <u>Journal of Embryology and Experimental Morphology</u>	Title: Mechanism of Polar Body Formation in the Mouse Oocyte: An Interaction Between the Chromosomes, the Cytoskeleton and the Plasma Membrane	Vol/Iss: 92	Pages: 11-32 Date: 1986
	196	Author: MAYOL et al. Publ: <u>Carcinogenesis</u>	Title: Ethynodiol-Induced Cell Proliferation in Rat Liver Involvement of Specific Populations of Hepatocytes (Abstract only)	Vol/Iss: 13 (12)	Pages: 2381-2388 Date: 1992
	197	Author: MEIKRANTZ et al. Publ: <u>Journal of Cellular Biochemistry</u>	Title: Apoptosis and the Cell Cycle	Vol/Iss: 58 (2)	Pages: 160-174 Date: 06/1995
	198	Author: MEZA et al. Publ: <u>Drug Therapy</u>	Title: Managing the Gastrointestinal Complications of AIDS	Vol/Iss: 23 (11)	Pages: 74-83 Date: 11/1993
	199	Author: MICHEL et al. Publ: <u>Biochem. Pharmacol.</u>	Title: Inhibition of synaptosomal high-affinity uptake of dopamine and serotonin by estrogen agonists and antagonists (Abstract only)	Vol/Iss: 36 (19)	Pages: 3175-3180 Date: 1987
	200	Author: MILLER et al. Publ: <u>Journal of Medicinal Chemistry</u>	Title: Synthesis and Structure-Activity Profiles of A-Homoestrane, the Estratropones	Vol/Iss: 40	Pages: 3836-3841 Date: 1997

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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Complete if Known

Application No. 09/780,650

Filing Date 02/12/2001

First Named Inventor D'Amato

Group Art Unit 1616

Examiner Name Badio, Barbara P.

Sheet

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Attorney Docket Number 05213-0493 (43170-253692)

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	201	Author: MILLER, Thomas Publ: <u>Dissertations Abstracts International</u>	Title: Tubulin as a Therapeutic Target (Abstract only)		
			Vol/Iss: 5907B	Pages: 3454	Date: 1998
	202	Author: MORISAKI et al. Publ: <u>Chem. Pharm. Bull.</u>	Title: Steroids. L1. Aromatization reaction of the cross-conjugated dienone system by Zinc 9. (Abstract only)		
			Vol/Iss: 14 (8)	Pages: 866-872	Date: 1966
	203	Author: MUKHOPADHYAY et al. Publ: <u>Oncogene</u>	Title: Induction of Apoptosis in Human Lung Cancer Cells after Wild-Type p53 Activation by Methoxyestradiol		
			Vol/Iss: 14	Pages: 379-384	Date: 1997
	204	Author: NAAFS et al. Publ: <u>International Journal of Dermatology</u>	Title: Thalidomide Therapy An Open Trial		
			Vol/Iss: 24 (2)	Pages: 131-134	Date: 03/1985
	205	Author: NAKAGAWA-YAGI et al. Publ: <u>Life Sciences</u>	Title: The Endogenous Estrogen Metabolite 2-Methoxyestradiol Induces Apoptotic Neuronal Cell Death <i>In Vitro</i>		
			Vol/Iss: 58 (17)	Pages: 1461-1467	Date: 1996
	206	Author: NAMBARA et al. Publ: <u>Chem. Pharm. Bulletin</u>	Title: Studies on Steroid Conjugates. III. New Synthesis of 2-Methoxyestrogens		
			Vol/Iss: 18 (3)	Pages: 474-480	Date: 03/1970
	207	Author: NAMBARA et al. Publ: <u>Chem. Pharm. Bull.</u>	Title: Microbial transformation products derived from steriods. I. Synthesis of 1,2- and 3-dimethoxy-4-methylestratrienes (Abstract only)		
			Vol/Iss: 20 (2)	Pages: 336-342	Date: 1972

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<p style="text-align: center;">Substitute for Form 1449/A/PTO</p> <p style="text-align: center;">INFORMATION DISCLOSURE STATEMENT BY APPLICANT</p> <p style="text-align: center;">(use as many sheets as necessary)</p>				Complete if Known		
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				First Named Inventor		D'Amato
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				Badio, Barbara P.		
Sheet	25	of	31	Attorney Docket Number		
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	208	Author: NAMBARA et al. Publ: <u>Chemical & Pharmaceutical Bulletin</u>	Title: Synthesis of 16β-Oxygenated Catechol Estrogen Methyl Ethers, New and Potential Metabolites Vol/Iss: 23 (7) Pages: 1613-1616 Date: 07/1975		
	209	Author: NAMBARA, T., et al. Publ: <u>HCAPLUS-Chemical and Pharmaceutical Bulletin</u>	Title: DN 82:43650; Analytical Chemical Studies on Steroids. LXXIII. Synthesis of Epimeric 2-Hydroxy-16-Chlorestrone Monomethyl Ethers (Abstract only) Vol/Iss: 22 (10) Pages: 2455-2457 Date: 1974		
	210	Author: NAPOLITANO et al. Publ: <u>Journal of Medicinal Chemistry</u>	Title: 11 Beta-Substituted Estradiol Derivatives. 2. Potential Carbon-11 and Iodine-Labeled Probes for the Estrogen Receptor (Abstract only) Vol/Iss: 38 (14) Pages: 2774-2779 Date: 07/07/95		
	211	Author: NEWKOME et al. Publ: <u>Journal of Organic Chemistry</u>	Title: Synthesis of Simple Hydrazones of Carbonyl Compounds by an Exchange Reaction Vol/Iss: 31 Pages: 677-681 Date: 03/1966		
	212	Author: NGUYEN, M. et al. Publ: <u>Journal of the National Cancer Institute</u>	Title: Elevated Levels of the Angiogenic Peptide Basic Fibroblast Growth Factor in Urine of Bladder Cancer Patients Vol/Iss: 85 (3) Pages: 241-242 Date: 02/03/93		
	213	Author: NISHIGAKI et al. Publ: <u>Atherosclerosis</u>	Title: Anti-Proliferative Effect of 2-Methoxyestradiol on Cultured Smooth Muscle Cells from Rabbit Aorta Vol/Iss: 113 Pages: 167-170 Date: 1995		
	214	Author: NUMAZAWA et al. Publ: <u>Journal of the Chemical Society</u>	Title: Efficient Synthesis of 2-Methoxy- and 4-Methoxy-Estrogens Vol/Iss: Pages: 533-534 Date: 01/01/83		

Examiner Signature		Date Considered	
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¹Unique citation designation number. ²See attached Kinds of U.S. Patent Documents. ³Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴For Japanese patent document, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶Applicant is to place a check mark here if English language translation is attached.

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Substitute for Form 1449/A/PTO				Complete if Known	
				Application No.	09/780,650
				Filing Date	02/12/2001
				First Named Inventor	D'Amato
				Group Art Unit	1616
				Examiner Name	Badio, Barbara P.
Sheet	26	of	31	Attorney Docket Number	05213-0493 (43170-253692)

OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS

Examiner Initials	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published			T ²
	215	Author: NUMAZAWA et al. Publ: Steroids	Title: Novel and Regiospecific Synthesis of 2-Amino Estrogens via Zincke Nitration Vol/Iss: 41 (5)	Pages: 675-682	Date: 1983
	216	Author: OCHS et al. Publ: Cancer Research	Title: Effect of Tumor Promoting Contraceptive Steroids on Growth and Drug Metabolizing Enzymes in Rat Liver (Abstract only) Vol/Iss: 46 (3)	Pages: 1224-1232	Date: 1986
	217	Author: OMAR et al. Publ: European Journal of Medicinal Chemistry	Title: Synthesis, binding affinities and uterotrophic activity of some 2-substituted estradiol and ring-A-fused pyrone derivatives Vol/Iss: 29	Pages: 25-32	Date: 1994
	218	Author: PARTHASARATHY et al. Publ: Journal of Clinical Investigation	Title: Antioxidant: A New Role for RU-486 and Related Compounds (Abstract only) Vol/Iss: 94 (5)	Pages: 1990-1995	Date: 11/1994
	219	Author: PERT et al. Publ: Australian Journal of Chemistry	Title: Preparations of 2,4-disubstituted estradiols (Abstract only) Vol/Iss: 42 (3)	Pages: 421-432	Date: 1989
	220	Author: PETERS et al. Publ: Journal of Medicinal Chemistry	Title: 17-Desoxy Estrogen Analogues Vol/Iss: 32 (7)	Pages: 1642-1652	Date: 1989
	221	Author: PFEIFFER et al. Publ: Journal of Endocrinology	Title: Are catechol estrogens obligatory mediators of estrogen action in the central nervous system? I. Characterization of pharmacological probes with different receptor binding affinities and catechol estrogen formation rates (Abstract only) Vol/Iss: 110 (3)	Pages: 489-497	Date: 1986

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	222	Author: POWELL et al. Publ: <u>British Journal of Dermatology</u>	Title: Investigation and Treatment of Orogenital Ulceration; studies on a Possible Mode of Action of Thalidomide	Vol/Iss: 113 Supp. 28	Pages: 141-144	Date: 07/1985
	223	Author: RAO et al. Publ: <u>Synthesis</u>	Title: A Novel, Two-Step Synthesis of 2-Methoxyestradiol	Vol/Iss:	Pages: 168-169	Date: 03/01/77
	224	Author: ROMANELLI et al. Publ: <u>Organic Synthesis</u>	Title: Ethyl-p-Dimethylaminophenylacetate	Vol/Iss: 5	Pages: 552	Date: 10/24/1973
	225	Author: SAKAKIBARA, KYOICHI Publ: <u>Chemical Abstracts</u>	Title: 2-Hydroxy-1,3,5(10)-estratriene derivatives (Abstract only) (Identifier: XP-002186126)	Vol/Iss: 60(1)	Pages:	Date: 01/06/64
	226	Author: SATO et al. Publ: <u>Horm. Carcinog. II. Proceedings Int. Symp., 2nd (1996), Meeting Date 1994</u>	Title: Natural estrogens induce modulation of microtubules in Chinese hamster V79 cells in culture (Abstract only)	Vol/Iss:	Pages: 454-457	Date: 1996
	227	Author: SEEGERS et al. Publ: <u>Journal of Steroid Biochemistry and Molecular Biology</u>	Title: The Mammalian Metabolite, 2-methoxyestradiol, Affects P53 Levels and Apoptosis Induction in Transformed Cells but Not in Normal Cells (Abstract only)	Vol/Iss: 62 (4)	Pages: 253-267	Date: 07/1997
	228	Author: SHAH et al. Publ: <u>Journal of Medicinal Chemistry</u>	Title: (+/-)-(N-alkylamino)benzazepine Analogs: Novel Dopamine D1 Receptor Antagonists (Abstract only)	Vol/Iss: 38 (21)	Pages: 4284-4293	Date: 10/13/95

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	229	Author: SHISHKINA et al. Publ: <u>Khim.-Farm. Zh.</u>	Title: Synthesis and properties of condensed heterocyclic derivatives of estra-4, 9-dien-17.beta.-ol-3-one (Abstract only) Vol/Iss: 8 (1)	Pages: 7-11	Date: 1974
	230	Author: SIDKY et al. Publ: <u>Cancer Research</u>	Title: Inhibition of Angiogenesis by Interferons: Effects on Tumor- and Lymphocyte-induced Vascular Responses Vol/Iss: 47	Pages: 5155-5161	Date: 10/01/87
	231	Author: SIRACUSA et al. Publ: <u>Journal of Embryology and Experimental Morphology</u>	Title: The Effect of Microtubule- and Microfilament-disrupting Drugs on Preimplantation Mouse Embryos (abstract Only) Vol/Iss: 60	Pages: 71-82	Date: 12/1980
	232	Author: SPYRIOUNIS et al. Publ: <u>Arch. Pharm.</u>	Title: Copper (II) complex of an estradiol derivative with potent antiinflammatory properties (Abstract only) Vol/Iss: 324 (9)	Pages: 533-536	Date: 1991
	233	Author: SRIVASTAVA, A. et al. Publ: <u>American Journal of Pathology</u>	Title: The Prognostic Significance of Tumor Vascularity in Intermediate-Thickness (0.76-4.0 mm Thick) Skin Melanoma Vol/Iss: 133 (2)	Pages: 419-424	Date: 11/1988
	234	Author: STARKOV et al. Publ: <u>Zhurnal Prikladnoi Khimii</u>	Title: Mono- and Dialkylation of Guaiacol by Olefins on KU-2 Cation Exchanger (Abstract only) Vol/Iss: 41 (3)	Pages: 688-690	Date: 1968
	235	Author: TAYLOR, S. et al. Publ: <u>Nature</u>	Title: Protamine is an Inhibitor of Angiogenesis Vol/Iss: 297	Pages: 307-312	Date: 05/27/82

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<p style="text-align: center;">P A T E N T I N F O R M A T I O N D I S C L O S U R E S T A T E M E N T B Y A P P L I C A N T (use as many sheets as necessary)</p>				Complete if Known	
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				Filing Date	02/12/2001
				First Named Inventor	D'Amato
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	236	Author: TERANISHI, M. et al. Title: Methylation of Catechol Estrogen with Diazomethane Publ: <u>Chemical and Pharmaceutical Bulletin</u>	Vol/Iss: 31 (9) Pages: 3309-3314 Date: 09/1983		
	237	Author: TISHLER et al. Title: Microtubule-Active Drugs Taxol, Vinblastine, and Nocodazole Increase the Levels of Transcriptionally Active p53 Publ: <u>Cancer Research</u>	Vol/Iss: 55 Pages: 6021-6025 Date: 12/15/95		
	238	Author: TREMBLAY et al. Title: A Convenient Synthetic Method for Alpha-Alkylation of Steroidal 17-Ketone: Preparation of 16 β -(THPO-Heptyl)-Estradiol Publ: <u>Synthetic Communications</u>	Vol/Iss: 25 (16) Pages: 2483-2495 Date: 1995		
	239	Author: TREMBLAY et al. Title: Synthesis of 16-(Bromoalkyl)-Estradiols Having Inhibitory Effect on Human Placental Estradiol 17 β -Hydroxysteroid Dehydrogenase (17 β HSD Type 1) Publ: <u>Bioorganic & Medicinal Chemistry</u>	Vol/Iss: 3 (5) Pages: 505-523 Date: 1995		
	240	Author: UTNE et al. Title: The Synthesis of 2- and 4-Fluoroestradiol Publ: <u>Journal of Organic Chemistry</u>	Vol/Iss: 33 (6) Pages: 2469-2473 Date: 06/1968		
	241	Author: VAN GEERESTEIN et al. Title: Structure of 11. β -(4-(dimethylamino)phenyl)-17. β .-hydroxy-17. alpha.-(2-propenyl) estra-4,9-dien-3-one (Identifier only) Publ: <u>Acta Crystallogr., Sect. C: Cryst. Struct. Commun.</u>	Vol/Iss: C43 (2) Pages: 319-322 Date: 1987		
	242	Author: VICENTE et al. Title: In Vitro Activity of Thalidomide Against Mycobacterium avium Complex Publ: <u>Archives of Internal Medicine</u>	Vol/Iss: 153 (4) Pages: 534 Date: 02/22/93		

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<p>Substitute for Form 1449/A/PTO</p> <p style="text-align: center;">INFORMATION DISCLOSURE STATEMENT BY APPLICANT</p> <p>(use as many sheets as necessary)</p>				Complete if Known	
				Application No.	09/780,650
				Filing Date	02/12/2001
				First Named Inventor	D'Amato
				Group Art Unit	1616
				Examiner Name	Badio, Barbara P.
Sheet	30	of	31	Attorney Docket Number	05213-0493 (43170-253692)

OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS

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	243	Author: WANG et al. Publ: <u>Shengwu Huaxue Zazhi</u> Title: Photoaffinity Labeling of Human Placental Estradiol 17.beta.-dehydrogenase with 2-And 4-azidoestrone, 2- and 4-azidoestradiol (abstract Only) Vol/Iss: 8 (6) Pages: 715-718 Date: 1992	
	244	Author: WANG, Z. et al. Publ: <u>Synth.Commun.</u> Title: An Optimized Synthesis of 2-Methoxyestradiol, a Naturally Occurring Human Metabolite with Anticancer Activity Vol/Iss: 28 (23) Pages: 4431-4437 Date: 1998	
	245	Author: WEIDNER, N. et al. Publ: <u>Journal of the National Cancer Institute</u> Title: Tumor angiogenesis: A New Significant and Independent Prognostic Indicator in Early-Stage Breast Carcinoma Vol/Iss: 84 Pages: 1875-1887 Date: 12/16/92	
	246	Author: WEIDNER, N. et al. Publ: <u>American Journal of Pathology</u> Title: Tumor Angiogenesis Correlates with Metastasis in Invasive Prostate Carcinoma Vol/Iss: 143 (2) Pages: 401-409 Date: 08/1993	
	247	Author: WEIDNER, N. et al. Publ: <u>New England Journal of Medicine</u> Title: Tumor Angiogenesis and Metastasis—Correlation in Invasive Breast Carcinoma Vol/Iss: 324 (1) Pages: 1-8 Date: 01/03/91	
	248	Author: WELSCH et al. Publ: <u>Experientia</u> Title: Staphylostatic Activity of Some New Diphenols, Naphthols, and Chalcones (Abstract only) Vol/Iss: 11 Pages: 350-351 Date: 1955	
	249	Author: WHITE et al. Publ: <u>The New England Journal of Medicine</u> Title: Treatment of Pulmonary Hemangiomatosis with Recombinant Interferon Alfa-2a Vol/Iss: 32 (18) Pages: 1197-1200 Date: 05/04/89	

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(use as many sheets as necessary)

Complete if Known

Application No. 09/780,650

Filing Date 02/12/2001

First Named Inventor D'Amato

Group Art Unit 1616

Examiner Name Radio, Barbara P.

Sheet 31 of 31 Attorney Docket Number 05213-0493 (43170-253692)

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	250	Author: WIESE et al. Title: Induction of the Estrogen Specific Mitogenic Response of MCF-7 Cells by Selected Analogues of Estradiol-17 β : A 3D QSAR Study Publ: <u>Journal of Medicinal Chemistry</u> Vol/Iss: 40 Pages: 3659-3669 Date: 1997	
	251	Author: WURTZ et al. Title: Three-Dimensional Models of Estrogen Receptor Ligand Binding Domain Complexes Based on Related Crystal Structures and Mutational and Structure-Activity Relationship Data Publ: <u>Journal of Medicinal Chemistry</u> Vol/Iss: 41 Pages: 1803-1814 Date: 1998	
	252	Author: YASUDA et al. Title: Accelerated differentiation in seminiferous tubules of fetal mice prenatally exposed to ethinyl estradiol (Abstract only) Publ: <u>Anat. Embryol. (Berl.)</u> Vol/Iss: 174 (3) Pages: 289-299 Date: 1986	
	253	Author: YUE et al. Title: 2-Methoxyestradiol, an Endogenous Estrogen Metabolite, Induces Apoptosis in Endothelial Cells and Inhibits Angiogenesis: Possible Role for Stress-Activated Protein Kinase Signaling Pathway and Fas Expression Publ: <u>Molecular Pharmacology</u> Vol/Iss: 51 Pages: 951-952 Date: 1997	

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